

L 1323-66

ACCESSION NR: AP5020929

tion of MBK-1 glue in toluene and later drying it at 100C for 12 hr. The electro-phoretic process increased the inductance of the copper wires to 1 μ h from fractions of 1 μ h. Copper coils similarly processed showed an increase of inductance of 1.5 to 1.7 times.

[FW]

ASSOCIATION: none

SUBMITTED: 08Jun64

NO REF Sov: 003

ENCL: 00

SUB CODE: EC, EM

OTHER: 000

ATD PRESS: 4/03

mcr
Card 2/2

KHARIN, A.N.; KATAYEVA, N.A.

Mechanism of iodine transfer associated with the internal diffusion kinetics of its adsorption on charcoals from various solvents.
Dokl. AN SSSR 137 no. 2:359-362 Mr '61. (MIRA 1442)

1. Taganrogskiy radiotekhnicheskiy institut. Predstavлено
академиком М.М. Дубининым.
(Iodine) (Adsorption)

KATAYEVA, N.A.; KHARIN, A.N.

Effect of the solvent and of the type of carbon in the
kinetics of iodine adsorption from the solution flow.
Zhur.fiz.khim. 35 no.12:2794-2799 D '61. (MIRA 14:12)

1. Taganrogskiy radiotekhnicheskiy institut.
(Iodine) (Adsorption)

KATAYEVA, N.A.; KHARIN, A.N.

Intradiffusional kinetics of iodine adsorption from various
solvents on carbons of various porosity. Zhur.fiz.khim. 36
no.5:973-980 My '62. (MIRA 15:8)

1. Taganrogskiy radiotekhnicheskiy institut.
(Iodine) (Adsorption)

LITERATURE FILE: DT: 4 HIS 45700 10

A. V. Kostylev, I. A. Sotnikova, N. A.

TITLE: Effect of ultrasound on iodine adsorption from aqueous and alcoholic solutions

SOURCE: Zhurnal fizicheskoy khimii, v. 37, no. 7, 1963, 1593-1594

TOPIC CODES: ultrasound, iodine, KAD carbon

ABSTRACT: Authors explained the effect of ultrasound on the exterior surface of granules of iodine during adsorption from an aqueous and alcoholic KAD solution. The surface of KAD was characterized by the presence of a large number of adsorption sites. The method of iodine adsorption was described by N. A. Sotnikova (Zhurn. fiz. khim., 36, 1071, 1962). The authors conclude that the effect of ultrasound increases the rate of iodine adsorption. The method of iodine adsorption was described by N. A. Sotnikova (Zhurn. fiz. khim., 36, 1071, 1962). Methodology was not mentioned. Authors: A. V. Kostylev and V. I. Vereshchagina (Zh. fiz. khimii, 37, 1593, 1963). Authors conclude that iodine adsorption by KAD carbon from a current of alcoholic solution is increased by the effect of ultrasound. "Authors thank Prof. A. V. Kostylev, assistant professor L. F. Lebedin for their help in this work."

Cards 18 cards, 18 cm x 13 cm, each a separate card.

LEVINA, R.Ya.; SKVARCHENKO, V.R.; KATAYEVA, N.S.; TRESHCHENKO, Ye.G.

Synthesis of hydrocarbons. Part 43. New reaction of tetrahydro-phthalic anhydride (products of diene synthesis) with phosphorus pentoxide. Zhur.ob.khim.23 no.12:1998-2001 D '53. (MLRA 7:2)

1. Laboratoriya organicheskoy khimii im. akademika N.D.Zelinskogo
Moskovskogo gosudarstvennogo universiteta.
(Phthalic anhydride) (Phosphorus pentoxide)

KATAYEVA, N. S.

(4)

Synthesis of hydrocarbons. New reaction of tetrahydrophthalic anhydrides (products of clema synthesis) with phosphorus pentoxide. R. Ya. Levina, V. R. Skvarchenko, V. N. Kostin and N. S. Kataeva. *Doklady Akad. Nauk S.S.R.* 91, 95-8 (1953). Tetrahydrophthalic anhydrides heated with P_2O_5 , split off 2 moles CO and H_2O , forming aromatic hydrocarbons. Thus, 20 g. 3,6-dimethyltetrahydrophthalic anhydride (I) treated in the molten state with 23 g. P_2O_5 and heated carefully to 110-20° reacted vigorously with heat evolution and distn. of the product (compleated by heating to 230°); washing and distn. gave 80% *p*-xylene, identified by oxidation to ρ - $C_6H_4(CO_2H)_2$. Similarly the 3,5-di-Me isomer of I gave 60% pure *m*-xylene, and the 4,5-isomer (II) gave 40% pure *o*-xylene. Heating II with 10% KOH, evapn., and acidification gave 4,5-dimethyltetrahydrophthalic acid (III), decomp. 135°, which heated similarly with P_2O_5 gave 80% *o*-xylene. II treated with dry HCl in abs. EtOH gave 72% di-Et ester of III, b.p. 153°, n_D^{20} 1.4970, d_{40}^{20} 1.0450, which heated with P_2O_5 similarly gave 31% *o*-xylene, with CO and C_6H_6 . G. M. Kosolapoff

KATASEVA, O. YE.

COUNTRY	: USSR
CATEGORY	: Cultivated Plants. Potatoes, Vegetables, Cucurbits. M
ABS. JOUR.	: RZhBiol., No.23 1958, No. 104682
AUTHOR	: Kataseva, O. Ye.
INST.	: The North Ossetian State Agricultural Experiment Station.
TITLE	: Summer Plantings in the Control of the Degeneration of Potatoes.
ORIG. PUB.	: Byul. nauchno-tekhn. inform. Sev.-Ossetinsk. gos. s.-kh. opytn. st., 1957, No. 1, 38-42
ABSTRACT	: A rapid degeneration of potatoes was noted at the Station in spite of annual thorough cleansing and selection of seed tubers. In 1945, there was 11% of degenerated plants in the plantings of the early variety Vermont; in 1955 - 94%. The yield decreased correspondingly from 216 to 87 centners/ha. In the mid-season varieties, the most widespread form of degeneration in the filiform appearance of the sprouts; in the early varieties - rugose mosaic. In recent years, leaf roll has also been widely encountered. Use of seed potatoes grown in summer almost doubles the

Card:1/2

KATAYEVA, O.Ye., kand. sel'skokhozyaystvennykh nauk

Root rot of winter wheat. Zashch.rast.ot vred. i bol. 4
no.1:35-36 Ja-P '59. (MIRA 12:2)

1. Severo-Osetinskaya gosudarstvennaya sel'skokhozyaystvennaya
opytnaya stantsiya.

(Wheat--Diseases and pests)

KATAYENVA, Ye.

DEMCHENKO, D.V.; KATAYENVA, Ye.I.; YASINSKIY, V.S.

Allowances in woodworking. Der. prom. 7 no.2:1-3 F '58. (MIRA 11:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.

(Woodworking)

KATAYEVA, Ye.I.; MUZYKA, N.S.; KIPNIS, A.L.

Properties of new facing materials. Bum. i der. prom. no.4:
22-24 O-D '63. (MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7

SEMELEV, Ye.I.; KATAYEVA, Z.T.; RUDNITSKAYA, Ye.S.

New data on yttriotungstate. Dokl. AN SSSR 163 no.2:447-449 Jl '65.
(MIRA 18:7)

1. Submitted January 22, 1965.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7"

KATAZHYN'SKI, S.

AUTHORS Katazhyn'ski S., Kamin'ski E. 32-7-33/49
TITLE A Method of Pouring-In Metallographic Samples.
PERIODICAL (Sposob zaliivki metallograficheskikh Obraztsov.-Russian)
Zavodskaya Laboratoriya, 1957, Vol 23, Nr 7, pp 866-867 (U.S.S.R.)
ABSTRACT In order to obtain a good ground microsection when investigating the microstructure of very small samples the samples are poured-in according to the following two methods: Pouring-in with molten shellac and pressing-in into the bakelite. A new method of pouring-in samples comprising the application of a polyetheric pitch mixture was worked out. The samples are appured into the empty metal molds and are placed upon glass plates. Before this is done the molds are painted with a trichloroethylene solution (CCl_2 $CHCl$). Polyether is used for pouring in ($HOOC-CH-CH-COO-CH_2-CH_2-OCO-CH-CH-COO-CH_2-CH_2-O$) with an admixture of the catalyster (benzoil peroxide) and an accelerator (cobalt naphtenate). The mixture consists of 100 g pitch 6 g catalyster, and 4 g accelerator. Polymerization takes 1,5 hours. The sample is then ground, polished, and dried at a temperature of 120°. There is 1 figure.
ASSOCIATION Construction Office of the Automobile Industry, Warsaw, (Poland)
AVAILABLE Card 1/1 Library of Congress.

KATCHALOVA, L.; TAMAS, F.

Investigating the swelling of faience. p. 420.

EPITOANYAG. (Epitoanyagipari Tudomanyos Egyesulet), Budapest, Hungary, Vol.11,
no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.
Uncl.

KATCHAN, A.P.

On reverse blood transfusion of the blood that has poured into the belly cavity.

Soviet Medicine, No. 3, pp 43, 1953.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7

KATCHENKO, G. V. T.

G. V. T. Katchenko and P. N. Khomikovskiy

"Polymerization of 1,1-Dichlorethylene in Emulsifying Solution under the Influence of Water-Soluble Peroxides (The Mechanism of Emulsion Polymerization)", Reports of the Academy of Sciences of the USSR, 72, 543-546, May 1950.

ABSTRACT AVAILABLE

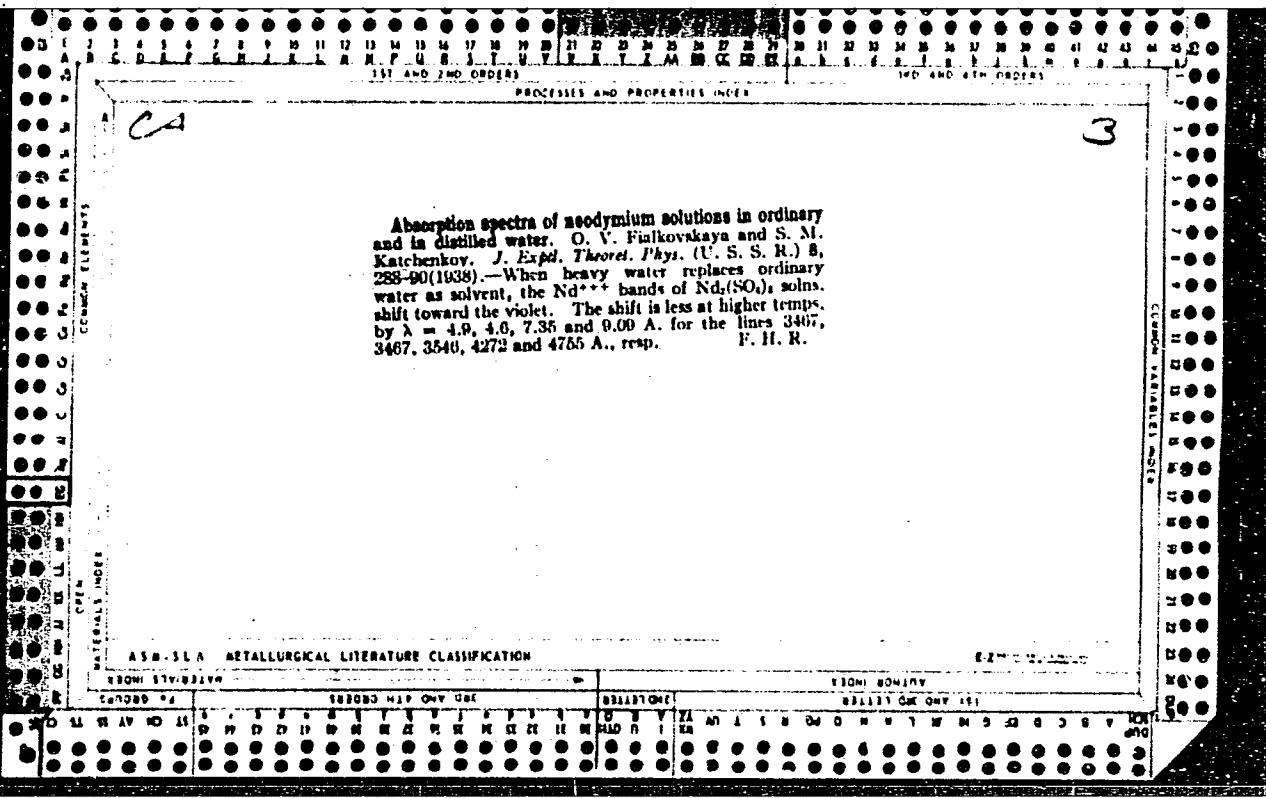
D-50054

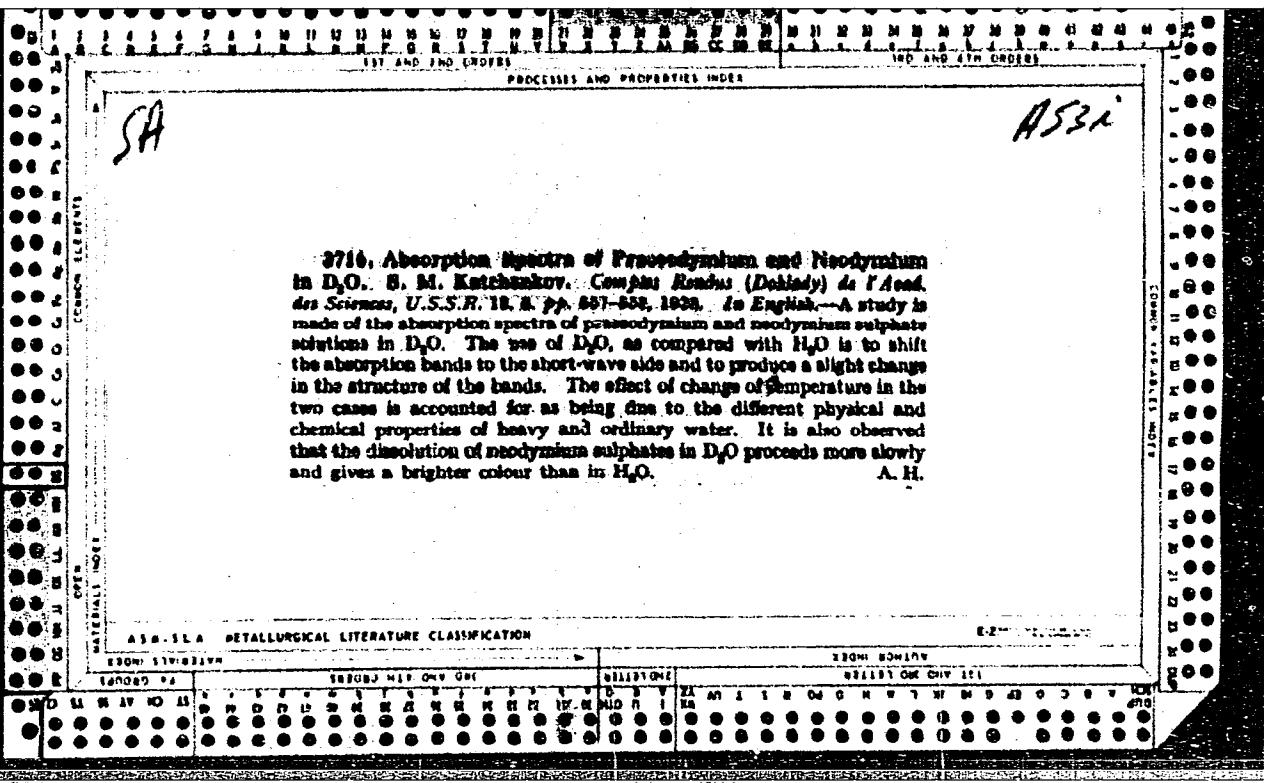
APPROVED FOR RELEASE: 06/13/2000

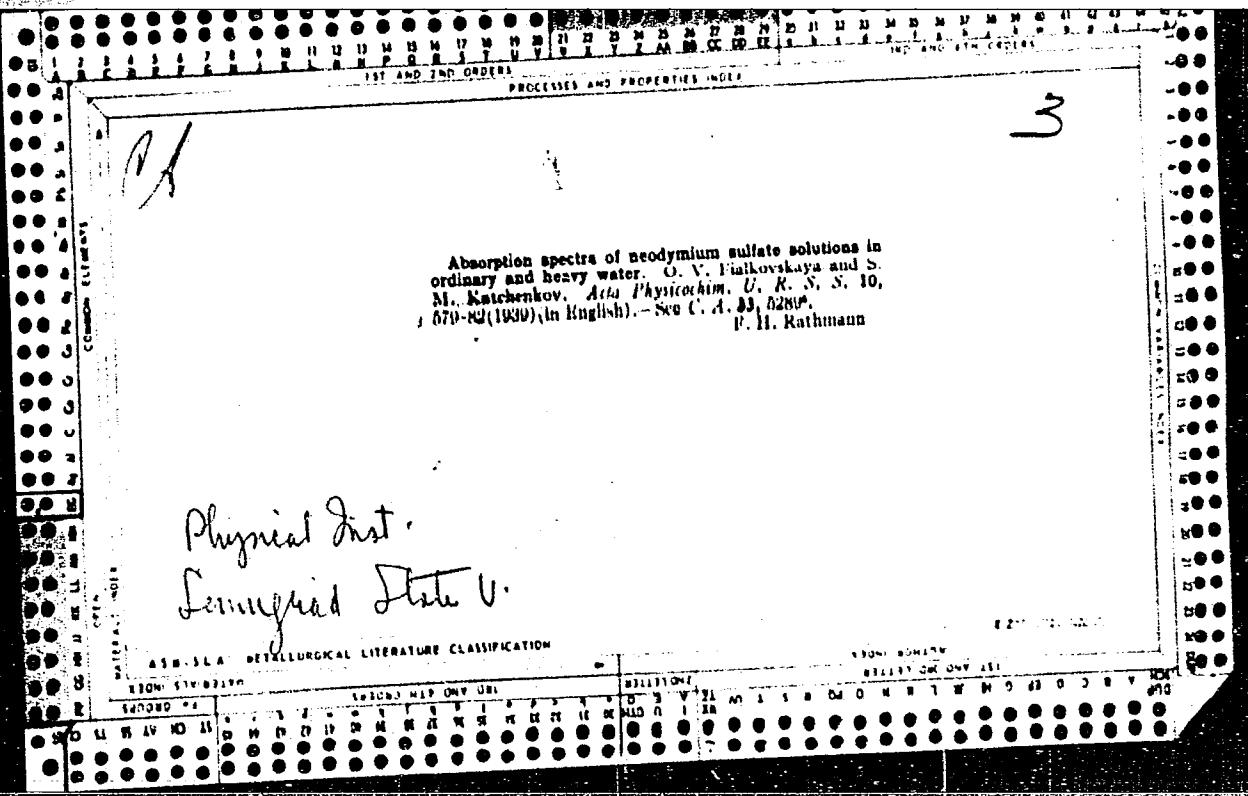
CIA-RDP86-00513R000721110020-7"

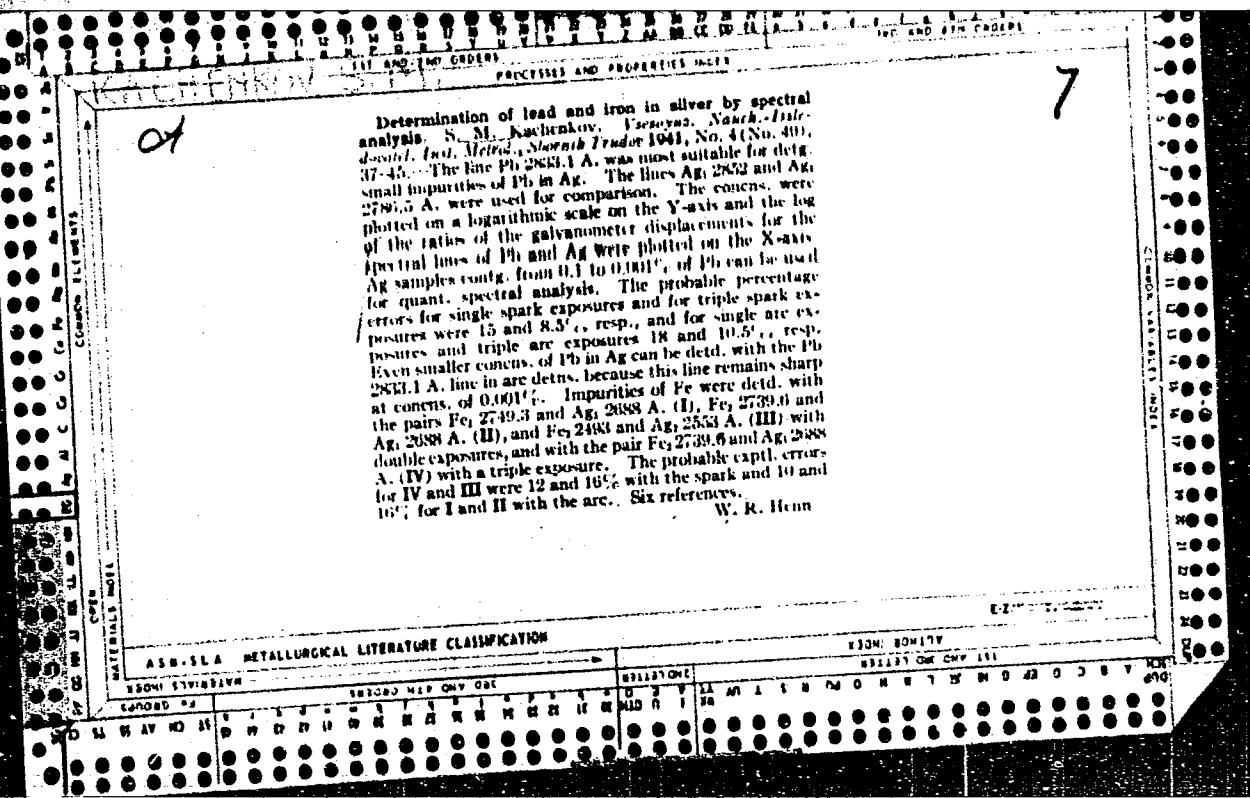
KATCHENKOV, Semen Mikhaylovich; PROKOF'YEV, V.K., prof.,
retsenzent; KLER, M.M., dots., retsenzent;
KHOKHLOV, V.V., nauchn. red.; FEDOTOVA, M.I., ved.
red.; BELYAKOV, M.F., dots., red.

[Spectrum analysis of rocks] Spektral'nyi analiz gor-
nykh porod. Izd.2., perer. i dop. Leningrad, Nedra,
1964. 271 p.
(MIRA 18:1)









Chernov, S. N.

USSR/Metals

Platinum

Meteorological Research

PA-24T82

May/Jun 194

"Investigation of the Purity of Platinum," A. L. Kheyfite, S. M. Katchenkov, 1½ pp
"Iz Ak Nauk SSSR. Ser Fiz" Vol XI, No 3

Very pure platinum is necessary for experiments conducted at the All-Union Research and Investigation Institute of Meteorology at Leningrad, with respect to thermometric, high temperature, photometric and other researches. Discusses the spectral analysis conducted at the optics laboratory by M. F. Romanova, to determine the purity of platinum. As a result of this spectral analysis and chemical analysis, it is possible to obtain very pure platinum.

PA-24T82

KATCHENKOV, S. M.

PA 24/49T13

USSR/Chemistry - Analysis, Spectrographic Aug 48
Chemistry - Germanium

"The Problem of Concentrating Germanium by Carbon," S. M. Katchenkov, All-Union Petroleum Sci Res Geol Survey Inst, 2 pp

"Dok Ak Nauk SSSR" Vol LXI, No 5

Describes spectrographic analysis of carbon samples for concentrations of germanium.

24/49T13

Sep 48

USSR/Petroleum
Spectra, Ultraviolet
Chemistry - Ash, Analysis

"Elementary Composition of the Ash of Crude Oils,"
S. M. Katchenkov, All-Union Petroleum Sci Res
Geol Prospecting Inst, Leningrad, 3 pp

"Dok Ak Neuk SSSR" Vol LXII, No 3

"Dok Ak Neuk SSSR" Vol LXII, No 3

"Regardless of locality and age, the following were found in the ashes of crude oil from 54 wells of six different fields, exclusive of Baku fields, by ultraviolet spectrum analysis: Ca, Mg, Na, Al, V, Fe, Ni, Cu, Sr, Mn, Ba, Si. Presence of S, O,

36/49770

Sep 48

USSR/Petroleum (Contd)

N, I could not be established. Cr and Ti were frequent and also, in some cases, Sn, Pb, Mo, Co and, probably, Be and Bi. Absence of K, P, and Li is probably due to method's low sensitivity. No sample contained Ag, Au, As, Cd, or Zn. With increase in age of the oil, estimated concentration of V and Ni increases, that of Sr decreases with some fluctuations, depending upon the region.

Submitted by Acad S. I. Mironov, 12 Jul 48.

36/49770

KATCHENKOV, S. M.

USSR/Geological Prospecting
Petroleum Deposits

Dec 48

"The Problem Concerning the Paragenesis of Titanium Organic Carbon, and Several Other Elements," L. V. Khmelevskaya, N. G. Morozova, K. I. Taganov, S. M. Katchenkov, L. A. Voytsekhovich, All-Union Petroleum Sci Res Geol Prospecting Inst, 3 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 6

Spectrographic and statistical analysis of 87 sandstones taken from Maykopskiy, Chokrakskiy, Karaganskiy, and Sarmatskiy deposits in the layer of oilbearing deposits of Groznenskiy Rayon, Terskiy Oblast. Found that presence of organic carbon, vanadium, manganese, titanium, nickel, barium and strontium in various lithologic groups -- sand-silt-stone, clay, and carbon -- was not connected exclusively with any of them. Submitted by Acad D. S. Belyankin, 27 Oct 48.

PA 35/49T46

KATCHENKOV, S. M.

USSR/Petroleum

Boron

Oils - Analysis

PA 39/49T101
"Boron Deposits in Petroleum Zones," S. M. Katchenkov,
All-Union Petroleum Sci Res Geol Prospecting Inst,
2 pp

Apr 49

"Dok Ak Nauk SSSR" Vol LXV, No 5

39/49T101
Spectral analysis of three ash samples of oil from
three wells of Turkmenia and Nebitdag for boron,
using a copper electrode not containing boron.
Content of boron in samples from the three wells
varied from zero to approximately 0.3%. Discusses

39/49T101

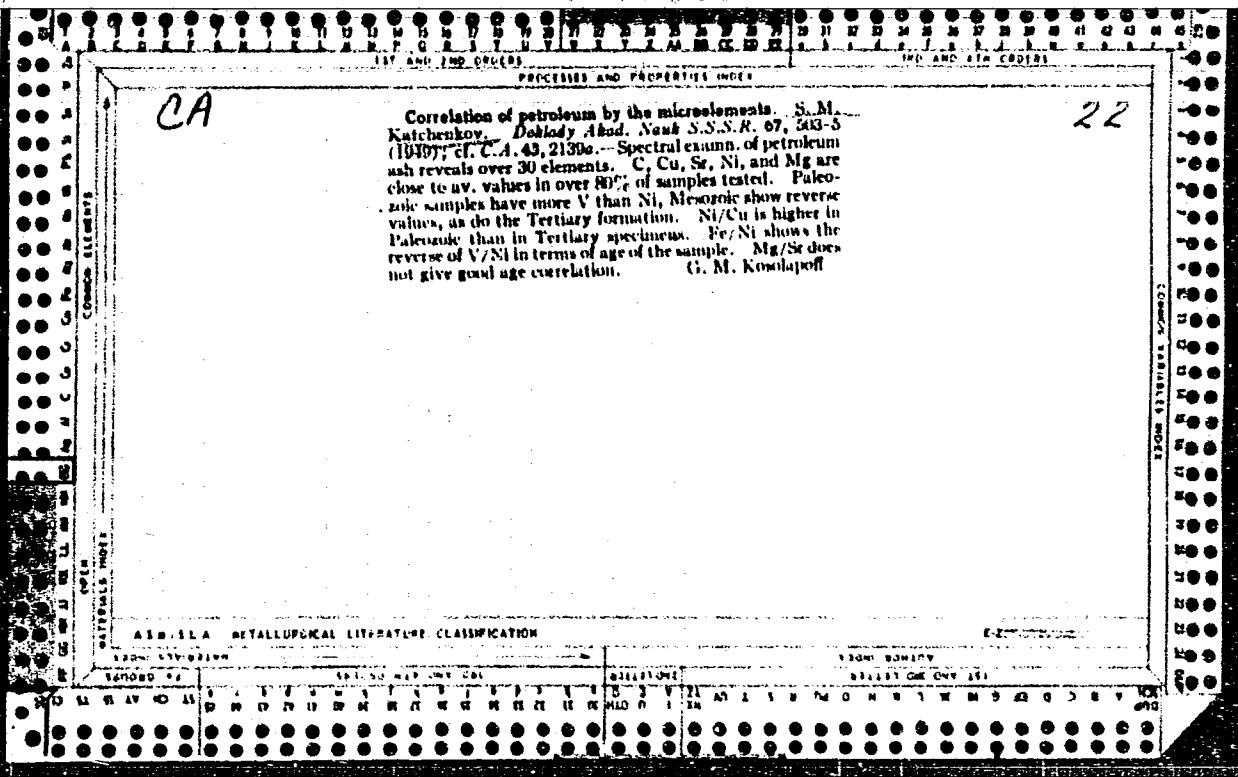
USSR/Petroleum (contd)

Apr 49

possible sources of boron in oil. Submitted by
Acad S. I. Mironov, 2 Feb 49.

39/49T101

		19	
		CONCERNED COUNTRIES	PROCESSES AND PROPERTIES INDEX
C9		19	
<p>Pigmentation of blue Cambrian clay. S. M. Katchenkov. <i>Doklady Akad. Nauk S.S.R.</i> 66, 1129-31 (1959). Spectrum analysis showed Ca 2, Mg 1.3, K 3, Na 1, Sr 0.1, Ba 0.3, B 0.03, Ti 0.6, Cr 0.04, Cu 0.01, V 0.007, Mn 0.02%, and traces of Co and Ni. SiO_4 was 63, Fe_2O_3 3-7, FeO 2.5-5, and Al_2O_3 20%. The blue color is produced by the trace metallic elements in the basic lattice, especially Cr, which is present in significant amounts, giving (along with Fe and Ti) a violet or blue-green color. Specimens of grey color had no detectable Cr.</p> <p>G. M. Kosolapoff</p>			
ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION			
CLASSIFICATION		COUNTRY CODES	
C40000	49000	50000	51000
A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
Y	Z		



CH

8

Application of spectral analysis to geological cross sections.
S. M. Katchenkov, *Inst. Akad. Nauk S.S.R., Ser.*
Fig. 14-070-2(1950).—Spectral analysis of elements occurring
in small concns. in sediments can give clues as to their
age. Methods employed in systematic analysis and an
investigation of Perm deposits of the Buguruslau region are
described and it is shown that Sr content can be taken as a
good pilot element for Perm-type deposits. S. Pakwer

A-4 Geol. Cen Inst.

1951

CA

J

Elementary composition of the Lower Permian deposits of Buguruslan region. S. M. Katchenkov. *Doklady Akademii Nauk S.S.R.* 76, 431 (1951). Chem. and spectroscopic analyses for the various levels are as follows. For P₇: Si 0.044, Fe 0.12; for P₇^{*}: O 40.2-47.5, Ca 20.5-7.0, Mg 6.2-9.6, C 0.3-0.8, S 3.2-4.9, Na 0.19-0.32, Sr 0.46-0.65, Cl 0.29-0.49, R₂O₃ 0.55-1.6, Ba 0.003-0.02, B 0.002-0.004, Al 1-6, Fe 0.11, Ti 0.01-0.02, Mn 0.01, Cu 0.002%, traces of V, Ni, Cr and K (possibly absent). The P₇ has lower Ca (0.4), Mg (3.70), C (1.28), S (1.28), but higher R₂O₃ (5.57%) level. P₇^{*} is similar to the above, but the Na level is low (0.01-0.32%). The possible modes of deposition at the various levels are discussed. G. M. K.

CA

22

Origin of the ash components of petroleum. S. M. Katschenko,
Dubrovy Abed. Nauch S.S.S.R. 76, M3 (1901);
cf. C.A. 43, 2139a.—Arrangement of the various elements
found in petroleum in order of descending frequency and ex-
tent of occurrence gives: C, H, S, O, N, Fe, (V), Ca, Mg,
Si, Al, V, Ni, Cu, Mn, Sr, Ba, H, Cu, Zn, Mo, Pb, Sn, (Na),
K, P, Li, Cl, Re, Bi, Ge, Ag, (Ta, Au). V, Si, and Na are
not found in all specimens. Such a distribution can be ex-
plained only by biogenic hypothesis of petroleum origin,
since the occurrence of the various elements appears to be
(the same regardless of the location (USSR and other coun-
(tries). (I. M. Knoblpoff)

1951

KATCHENKOV, S.M.

Enrichment of mineral elements in petroleum and hard coal. Doklady Akad.
Nauk S.S.R. 86, 805-8 '52.
(MIRA 5:11)
(CA 47 no.21:11095 '53)

KATCHENKOV, S. M.

"Attempt at Correlation of Geological Cross Sectional Profiles According to Data of Spectral Analysis"
Geol. sb., No 2, 1953, 241-250

In the Kungur and Aetinsk strata and in the Ufa formations of Samarsk Zavol'she (further Volga region) three marker horizons of enriched concentrated strontium have been discovered. The formation of these "celestine" horizons is explained by the changes in the conditions governing sedimentary accumulation, namely by the increase in the concentration of salts in connection with the appearances of lagoon regimes. The author presents a table showing the ratios of pairs of chemical elements in the various horizons of the permian in this region. Especially characteristic is the magnitude of the ratio Ca:Sr for the various horizons: P (Kaz 2,2) 192, P (kazl, 2) 248, P (uf, 2) 173, P (k, 1) 32, celestite horizon 8, P (skm art, 1) 611, sea water 31, terrestrial mantle 90. (RZhGeol, No 6, 1955)

SO: Sum-No 787, 12 Jan 56

DRAGUNOV, V.I.; KATCHENKOV, S.M.; MIRONOV, S.I., akademik.

Celestine and barite from Neogenic deposits of southern Mangyshlak. Dokl.AN
SSSR 93 no.2:315-318 N '53. (MLRA 6:10)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologo-rasvedochnyy institut (for Dragunov and Katchenkov). 2. Akademiya nauk SSSR (for Mironov).
(Mangyshlak Peninsula--Celestine) (Celestine--Mangyshlak Peninsula)
(Mangyshlak Peninsula--Barite) (Barite--Mangyshlak Peninsula)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12,
p 5 (USSR) 15-57-12-16751

AUTHOR: Katchenkov, S. M.

TITLE: A New Method of Correlating Sedimentary Beds by
Spectral Analysis (Novyy metod korrelyatsii osadochnykh
tolshch po dannym spektral'nogo analiza)

PERIODICAL: Novosti neft. tekhniki. Neftepromysl. delo, 1955,
Nr 3, pp 3-8

ABSTRACT: The paper discusses the use of a geochemical method
with spectral analysis which permits the simultaneous
determination of a large number of chemical elements
in concentrations of 0.01 to 0.001 percent and less.
The size of sample may be very small (only a few milli-
grams). A method of making the spectral analysis is
described. The technique is convenient for correlation
and comparison of geological sections by chemical

Card 1/2

15-57-12-16751

A New Method of Correlating Sedimentary Beds (Cont.)

elements in those cases when mineralogical and paleontological methods are difficult to apply (during rapid drilling when the core is not drawn).

Card 2/2

N. M. Klebanova

KATCHENKOV, S.M.

The distribution of chemical elements in Permian carbonates
in the Samara region of the Volga Valley. Geol.sbor. no.3:
38-50 '55. (MLRA 8:6)
(Volga Valley--Carbonates (Mineralogy)

KATCHENKOV, S.M.; FLEGONTOVA, Ye. I.

Determining the elements of sedimentary rocks of the Mesozoic period in northeastern Caucasus from spectral analysis data.
Geol.sbor. no.3:90-98 '55. (MLRA 8:6)
(Caucasus, Northern--Rocks, Sedimentary)

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CIA-RDP86-00513R000721110020-7

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7"

KATCHENKOV, S.M.

Accumulation of ash elements in petroleum. Trudy VNIGRI no.83:
374-400 '55.
(Petroleum--analysis) (Ash) (MLRA 8:10)

KATCHENKOV, S.M.; PLEGONTOWA, Ye.I.

Minor elements in Devonian deposits of the Volga-Ural region
according to spectrum analysis data. Trudy VNIGRI no.83:466-
505 '55.
(Second Baku--Petroleum--Analysis) (Second Baku--Petroleum
geology)

KATCHENKOV, S.M.

USSR/ Geology - Geochemistry

Card 1/1 Pub. 22 - 37/60

Authors : Katchenkov, S. M., and Flegontova, Ye.I.

Title : Small elements in Devonian period rocks in the Volga-Ural region

Periodical : Dok. AN SSSR 100/4, 749-752, Feb 1, 1955

Abstract : An investigation was conducted to determine the distribution of small elements of Fe and Cu groups among Devonian period deposits of the Volga-Ural region of the USSR. The finding of small amounts of Mn, Cr, Ni and Cu is announced. Eight references (1936-1952). Table.

Institution : All Union Petroleum Scientific Research Geological Exploration Institute

Presented by: Academician N. M. Strakhov, November 4, 1954

KATCHENKOV, S. M.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
pp 153-154 (USSR) 15-57-7-9787

AUTHORS: Katchenkov, S. M., Flegontova, Ye. I.

TITLE: Spectral Analysis Determination of the Distribution
of Chemical Elements in the Petroliferous Sedimentary
Rock, Waters, and in Petroleum Residue of the Groznyy-
Dagestan Region (Raspredeleniye khimicheskikh
elementov v osadochnykh porodakh, vodakh i zolakh
neftey Groznensko-Dagestanskoy oblasti po dannym
spektral'nogo analiza)

PERIODICAL: Tr. Vses. neft. n.-i. geologorazved. in-ta, 1956,
Nr 95, pp 481-496

ABSTRACT: The purpose of the investigation was to determine the
distribution of lesser elements in the rock, waters,
and petroleums of the chokrak and Karagan in the
Groznyy-Dagestan region. The presence of Al, Si, Na,

Card 1/3

Spectral Analysis Determination (Cont.)

15-57-7-9787

Mg, Ca, Sr, Ba, Fe, Ti, V, Ni, Cr, Cu, and Zr was established in the sedimentary rock. The maximum amount of the Fe, V, Cr, Ni, and Ti group was associated with the clays; the content of these elements was lower in the siltstones, sandstones, and marls. Sr and Mn show a maximum concentration in the marls. The difference in content of chemical elements in the deposits of the Chokrak and Karagan^{Horizons} is explained by the somewhat different geochemical and facies conditions. Many elements are present in the petroleum waters. These include Na, K, Mg, Ca, Sr, Ba, B, Si, Al, Fe, Mn, Cu, and sometimes V and Ag. Microelements may find their way to the waters as a result of interaction of water with the rock. The presence of the following was established in the petroleums: Si, Al, V, Ni, Cu, Cr, Ti, Mn, Co, Pb, Zn, Sn, Ag, Na, K, Mg, Ca, Sr, Ba, and B. The main portion of the petroleums ash is FeO, but considerable amounts of Si, Al, Ca, and Mg are also present. The ratio of V to Ni is less than one; in rock this ratio is greater than one. The accumulation of V and Ni in petroleums occurs not only at the time Card 2/3

15-57-7-9787

of the petroleum origin, but also in the further development of the petroleum in the traps. A differentiation of ash elements occurs during the period of the existence of the petroleum in the matrix and in the traps. Some of the ash elements migrate into the waters, while others become concentrated in the petroleum.
Card 3/3

N. A. Yeremenko

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7"

KATCHENKOV, S.M.

Distribution of elements in paleozoic clays of the Volga-Ural region.
Dokl.AN SSSR 107 no.1:115-118 Nr '56. (MLRA 9:7)

1.Predstavlene akademikom N.M.Srakhovym.
(Volga-Ural region--Clay) (Chemical elements)

KATCHENKOV, S.M.

Distribution of accessory elements in carbonate rocks of the Paleozoic
of the Volga-Urals region. Dokl. AN SSSR 111 no.2:415-417 N '56.

(MIRA 10:1)

1. Predstavлено академиком Н.М. Страховым.
(Russian Platform--Carbonates (Mineralogy))

KATCHENKOV, Semen Mikhaylovich; BELYAKOV, M.P., redaktor; GABIS, Ye.N.,
vedushchii redaktor; SENNAD'YEVA, I.M., tekhnicheskiy redaktor

[Spectrum analysis of rock] Spektral'nyi analiz gornykh porod.
Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi
lit-ry, Leningr. otd-nie, 1957. 214 p. (MLRA 10:7)
(Rocks--Spectra)

KATCHENKOV, S.M.; VINOGRADCOVA, A.P.

Correlation of red deposition in western Turkmenia by means of
spectrum analysis. VNIGRI no.105:174-180 '57. (MIRA 11:9)
(Turkmenistan--Rocks--Analysis)

KATCHENKOV, S.M.; BARANOVA, T.E.; FLEGONTOVA, Ye.I.

Distribution of minor elements and bitumens in Paleozoic clays of
Volga-Ural region. VNIGRI no.105:26i-269 '57. (MIRA 11:9)
(Second Baku--Bitumen) (Second Baku--Trace elements)

KATCHENKOV, S.M.; FLEGONTOVA, Ye.I.

Minor chemical elements in basement rocks of the eastern part of
the Russian Platform [with summary in English]. Geokhimia no.2:
172-176 '58. (MIRA 12:4)

1. All-Union Petroleum Institute for Scientific Research and
Geological Prospecting, Leningrad.
(Russian Platform--Metals, Rare and minor)

KATCHENKOV, S.M.

Distribution of trace elements in sedimentary rocks. Trudy VNIGRI
no.123:73-91 '58. (MIRA 11:12)
(Trace elements) (Rocks--Analysis)

KATCHENKOV, Semen Mikhaylovich; GLEBOVSKAYA, Ye.A., nauchnyy red.;
BAIKOVSKIY, I.V., vedushchiy red.; GENNAD'YEVA, I.M., tekhn.red.

[Trace elements in sedimentary rocks and petroleums] Malye
khimicheskie elementy v osadochnykh porodakh i neftiakh.
Leningrad, Gos.nauch.-tekhn. izd-vo neft. i gornotoplivnoi
lit-ry. Leningr. otd-nie, 1959. 271 p. (Leningrad. Vsesoiuznyi
neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut,
Trudy, no.14). (MIRA 13:1)

(Trace elements)

KATCHENKOV, S.M.; KATCHENKOVA, N.S.

Prospecting for germanium. Izv.vys.ucheb.zav.; geol.i razv.
2 no.3: 87-88 Mr '59. (MIRA 12:12)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.
(Germanium)

KATCHENKOV, S.M.

Interrelationships of strontium and organic matter in sedimentary rocks and the accumulation of vanadium and nickel in oils.
Trudy VNIGRI no.132:267-281 '59. (MIRA 17:1)

KATCHENKOV, S.M.; SMOLYANKO, L.A.

Trace elements in Meso-Cenozoic deposits of the Mangyshlak Peninsula.
Trudy VNIGRI no.155;270-284 '60. (MIRA 14:1)
(Mangyshlak Peninsula--Rocks, Sedimentary--Analysie)
(Trace elements)

KATCHENKOV, S.M.

Distribution of chemical elements in clayey minerals. Dokl. AN SSSR
134 no.3:680-683 S '60. (MIRA 13:9)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy
institut. Predstavlen akademikom N.M. Strakhovym.
(Clay)

KATCHENKOV, S.M.

Characteristics of conditions of sediment accumulation based
on the distribution of dispersed chemical elements. Trudy
VNIGRI no.174:109-154 '61. (MIRA 14:12)
(Rocks, Sedimentary)
(Trace elements)

KATCHENKOV, S.N.; FLEGONTOVA, Ye.I.

Elements in the water-soluble part of clays. Trudy VNTGRI
no.174:166-173 '61. (MIRA 14 12)
(Clay)

KATCHENKOV, S.M.

Distribution of chemical elements in clays and clay minerals.
Trudy VNIGRI no.174:98-108 '61. (MJRA 14:12)
(Clay)

KATCHENKOV, S.M.

Accumulation of elements of the iron family in petroleums.
Dokl. AN SSSR 143 no.2:420-422 Mr '62. (MIRA 15:3)

1. Predstavлено академиком N.M.Strakhovym.
(Petroleum geology)
(Metals)

KATCHENKOV, S.M.

Minor elements in Lower Paleozoic sediments of Eastern Siberia.
Trudy VNIGRI no.190:463-772 '62. (MIRA 16:1)
(Siberia, Eastern—Trace elements)

GERSHMAN, David Mikhaylovich; GUBANOV, Viktor Aleksandrovich;
KATCHENKOY, S.M., red.; FREGER, D.P., red.izd-va;
BELOGUROVA, I.A., tekhn. red.

[Increase in sensitivity in the spectral determination of
elements] Povyshenie chuvstvitel'nosti spektral'nogo opre-
deleniya elementov. Leningrad, 1963. 15 p. (Leningradskii
dom nauchno-tehnicheskoi propagandy. Seriya: Kontrol' ka-
chestva produktsii, no.2) (MIRA 16:10)
(Chemical elements--Spectra)

KATCHENKOV, S.M.

Geochemistry of the iron group elements in oils. Trudy VNIIFI no.212.
Geokhim.sbor. no.8:23-26 '63.
(MIRA 16:12)

KATCHENKOV, S.M.; FLEGONTOVA, Ye.I.

Trace elements in Pre-Cambrian sediments of the western part of the
Lake Baikal region. Trudy VNIGRI no.212. Geokhim.sbor. no.8:202-212
'63. (MIRA 16:12)

BOGOMOLOV, A.I.; KATCHENKOV, S.M.

Brief reports on the results of creating new methods and apparatus
in the All-Union Petroleum (Scientific Research) Geological Pros-
pecting Institute in 1957-1960. Trudy VNIGRI no.212. Geokhim.sbor.
no.8:213-219 '63. (MIRA 16:12)

KATCHENKOV, S.M.; FLEGONTOVA, Ye.I.

Minor elements in the sedimentary rocks and petroleums of
Western Siberia. Trudy VNIGRI no.227 Geokhim.sbor. no.9:174.
190 '64.

Minor chemical elements in the cozes of the Indian Ocean.
Ibid.:202-211 (MIRA 18:1)

KATCHENKOV, S.M.

Distribution of minor chemical elements in sedimentary rocks
and petroleums in connection with the climatic zoning and
geochemical history of the Russian Platform. Trudy VNIIGRI
no.227 Geokhim.sbor. no.9:191-201 '64.

(MIRA 1870)

KATCHENKOV, S.M.; KATCHENKOVA, N.S.

Prospecting for germanium. Izv.vys.ucheb.zav.; geol.i razv.
2 no.3:87-88 Mr '59. (MIRA 12:12)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.
(Germanium)

KATCHER, J.

Katcher, J.; Tekverk, V. Vacum tubes for computing machines. p.198

So: Monthly List of the East European Accession, (EEAL). LC. Vol. 4,
no: 10, Oct. 1955. Unc1.

KATCKA, M.; URBANSKI, T.

Infrared absorption spectra of Quaternary salts of pyridine.
Bul chim PAN 9[i.e. 12] no.9:615-621 '64.

1. Institute of Organic Synthesis of the Polish Academy of
Sciences, Warsaw. Submitted July 3, 1963.

KATCKI, LADE USZ

PAGE 1 BOOK EXPLANATION

FD-1904

2 wojewódzki technici wojennej; broń termoaktywnej, RPT, antenotypy, radio-
lokalizatory, televizory, podczerwieni, pociski rakietowe, hydroakustyczny
(Problemy w Militarnym Technologii) Charkowicki, Wyszcza, Mroczkow, Radziec
Miklas (red.), Lubomirski, Roman, Wyszcza, Ministerstwo Gospodarki Narodowej, Rocznik Mi-
kkie, Wydawnictwo Naukowe, Warszawa, 1979, 370 p., Kraków, ALP wydawn. 3,000 copies printed. (Article),
Rudnicka Wioletta Włodzimierz, Maria II)

Scientific Ed.: Bolesław Szlachetka; Ed.: Michał Włodzimierz; Inst. Ed.:
Bogumił Skubacki.

Purpose: This book is intended for the general reader interested in modern
military developments.

CONTENTS: The book contains 11 articles in which the various types of modern
military systems are discussed. The information is based on Western sources.

The book also provides an account of atomic weapons and atomic energy production and
development, citing as examples the American and Japanese bombs. Short
descriptions of modern military equipment including tanks, aircraft, missiles, ships,
and aircraft carriers. Problems of hydroelectronics are given and propagation of
sound waves in various media is discussed. An explanation of nuclear
radiation and its effects is presented. In the field of missiles the
problems of their operation and a brief history of missile development
are given. Mobile and stationary launching units are discussed and some in-
formation on rocket launching from aircraft and naval units is given. Nu-
clear guidance and anti-nuclear defense are briefly discussed, as are bal-
istic missiles and antiballistic defense. No personalities are mentioned.
There are no references.

Card 2/4

Card 2/4

Mechanics, Harry, Master of Engineering. Radar	125
Radar, Robert, Master of Engineering. Military Radar Equipment	155
Orbital Mechanics, William, Master of Engineering. Orientation in the Armed Forces	122
Orbital Mechanics, Master of Engineering. Rocket Launchers	210

Problems in Military (cont.)

FD-1904

Problems, Bolesław, Master of Engineering. Mathematics and Its Applications in Military Engineering	295
Problems, Józef, Master of Engineering. Design and Flight Mechanics of Rocket Missiles	279
Problems, Leszek, Master of Engineering. Rocket Launchers	305
Problems, Stanisław and Bolesław. Mathematics, both Masters of Engineering. Guided Missiles. General Characteristics of Guidance Systems	305

AVAILABILITY: Library of Congress (0405-12)

Card 3/4

KATEK, W.

Soviet Union
Baltic States
Title:
Institute of Forestry (Economics socialist state forests)
Author:
Vernik Akademii nauch soveta, 1959, N° 1, pp 139-141 (USSR)

ABSTRACT:
 The conference dealing with this subject took place in Moscow from 6-9 October, 1956. The conference had been convened by the Institute for Forest Research, USSR (Forest Institute of the Academy of Sciences, USSR); scientists and experts in forestry of China, as well as scientists from the People's Republic of Poland over 150 persons participated. The People's Democratic Conference was working out suggestions concerning the increase of production in forestry of the USSR in connection with the Ten-Year Plan and the period from 1965-1975. The following reports dealing with the problems mentioned were presented:
 V. V. Vasilev, Slavye upravlenie lesnymi resursami v Minskoj oblasti (Ministry for Forestry of Belarus);
 A. G. Solntsev, Tsentral'noe zhurnalnoe upravlenie lesnymi resursami (Central Bureau of Forestry Resources);
 P. V. Yushkevich, (Forest Institute of the AS USSR) spoke about the main aims and prospects in the development of forestry, the economic problems in the present development reported on forestry and the tasks of present economics;
 A. G. Solntsev, Tsentral'noe zhurnalnoe upravlenie lesnymi resursami (Central Bureau of Forestry Resources);
 A. V. Tsvetkov, (Institute for Economy of Ukrainian Forestry) spoke about measures to increase production of the main products;
 N. S. Chubanov, (People's Republic of China) delivered a report on the building success in forestry in his country;
 K. Melzer, (German Democratic Republic) dealt with economic organization of long-term economic planning in forestry;
 A. Medvedev (Russia) spoke about the importance of a proper forest policy for timber;
 R. Bozhilov, (Bulgaria) reported on the wide experience of Bulgarian forest experts concerning the rise of production in forests;
 N. Schmid, (German Democratic Republic), L. Soldana (Poland) spoke about the development of forestry and its importance for planning and controlling economic work in the forests;
 E. Zimba, J. Molenda, W. Szatkiewicz (Poland) dealt with the achievements of Polish forestry science.

Card 1/3

Card 2/3

YEVSTAF¹YEV, Ye.I., inzh.; KATEL¹, L.M., inzh.

Rapid fritting of a new furnace bottom. Met. i gornorud.
prom. no.4:74 Jl-Ag '63. (MIRA 16:11)

1. Zavod im. Petrovskogo.

ZHIGULIN, V.I.; GAVRILOV, A.M.; KATEL', L.M.

Ramming a new open-hearth furnace hearth bottom, Metallurg 10
no. 3:16-17 Mr '65. (MIRA 18:5)

COUNTRY : USSR (Lithuania) K
CATEGORY : Forestry. Forest Cultures.
MATERIAL. : RZhBich., No. 3, 1959, No. 10796
AUTHOR : Katele, J.
LNGT. :
TITLE : Oak Cultures in Pakamponaskiy Forest.

JNG. PUB. : Musu girtas, 1957, No. 3, 35-37.

ABSTRACT : The cultures were planted in 1952 by Kolesov's blade (5000 seedlings on 1 hectare). In addition, oak was introduced during the reconstruction of inferior young growth. Two-meter corridors were cut with the width of the side spaces being also two meters and with plot-by-plot soil preparation. Owing to excellent care, the cultures are some of the best oak plantations in Lithuania. — V. V. Antanaitis

CARD: 1/1

-33-

KATELIN, N.F., inzh.; MOSKATEL'NIKOV, A.S., inzh.

Automatic machine for hardening track pins of excavator belts. Stroi.
1 dor. mashinostr. 5 no. 12:33-34 D '60. (MIRA 13:11)
(Excavating machinery)

KATELINA, A. F.

"Biology of the Burrow Tick Ixodes Trianguliceps in the Tula Oblast'."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Tula Oblast' Health and Epidemiology Station

ACC NR: AP6030340

(A,N)

SOURCE CODE: UR/0358/66/035/004/0470/0474

AUTHOR: Korshunova, O. S.; Katalina, A. F.; Zhmayeva, Z. M.; Myasnikov, Yu. A.

ORG: Department of Naturally Focal Diseases, Institute of Epidemiology and Microbiology im. N. F. Gamaleya (Otdel prirodnocchagovykh bolezney Instituta epidemiologii i mikrobiologii); Tula Regional Sanitary-Epidemiological Station (Tul'skaya oblastnaya sanepidstantsiya)

TITLE: Natural tick-borne typhus focus in the Tula region

SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 35, no. 4, 1966, 470-474

TOPIC TAGS: epidemiology, rickettsia disease, disease vector, typhus, tick, animal parasite

ABSTRACT: A new, natural focus of tick-borne typhus has been discovered in the Tula region and confirmed with complement-fixation tests on cows. *Dermacentor pictus* ticks inhabit the entire region (except large forests), feeding on elk and hares when mature and field mice or other small mammals before maturity. Mature ticks are prevalent from late April—late May and immature ticks from July—August. Rickettsia isolated from mature ticks collected in this region were identified as belonging to the species *Rickettsia sibirica*. Periovarian transmission of rickettsia

Card 1/2

UDC: 616.981.711-036.21(470.312)

ACC NR: AP6030340

during tick metamorphosis was established. Complement-fixing antibodies to *Rickettsia sibirica* were found in only 2 of 50 Tula inhabitants tested, which agrees with the normally rare infestation of man by *Dermacentor pictus*. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 02Sep65/ ORIG REF: 008/

Card 2/2

MYASNIKOV, Yu.A.; KATELINA, A.F.

Data on the distribution and phenology of ticks in Tula Province.
Med.paraz. i paraz.bol. 33 no.3:357-360 My-Je '64.

(MIRA 18:2)

1. Tul'skaya oblastnaya sanitarno-spidemiologicheskaya stantsiya.

KATELLO, F., agronom.

Competing with nature. Nauka i zhyttia 12 no.1:48-49 Ja '63.
(MIRA 16:3)
(Donetsk Province—Grain breeding)

ROGALIN, P.D.; KRIVENKO, G.N.; NIKITINA, N.A.; KATELLO, F.A.; TAKHTAROV,
M.Kh., red.; SHCHERBAN', I.I., red.; TIMOSHEVSKAYA, A.A., tekhn.
red.

[Innovators clear the way] Dorogu prokladyvaiut novatory. Stalino,
Knizhnoe izd-vo, 1960. 138 p. (MIRA 14:10)
(Agricultural research)

KATEL'YEVA, G.

Agricultural construction in England. Sel'stroi. 11 no.9:
28-29 S '56. (MLRA 9:11)

1. Dotsent Moskovskogo instituta mekhanizatsii i elektrifikatsii
sel'skogo khozyaystva.
(Great Britain--Farm buildings)

KATEL'VA, G., detsent.

Barn without stalls for keeping cows. Sel'strelle no. 7:26-27 J1
'56. (France--Barns) (MLRA 9:9)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7

KATEL'VA, Grigoriy Ivanovich; LEBNIV, B.Ya., red.; GOR'KOVA, Z.D., tekhn.red.

[Farm structures] Sel'skokhoziaistvennye postroiki. Izd. 2-oe, perer.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 263 p. (MIRA 11:4)
(Farm buildings)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110020-7"

KATEL'VA, G.I.

KATEL'VA, G., dots.

Dimension of stalls for cows. Sel'stroi.12 no.12:17-18 D '57.

(MIRA 10:12)

1. Moskovskiy institut mekhanizatsii i elektrifikatsii sel'skogo
khozyaystva.

(Dairy barns)

KAFEL'VA, G., dots.

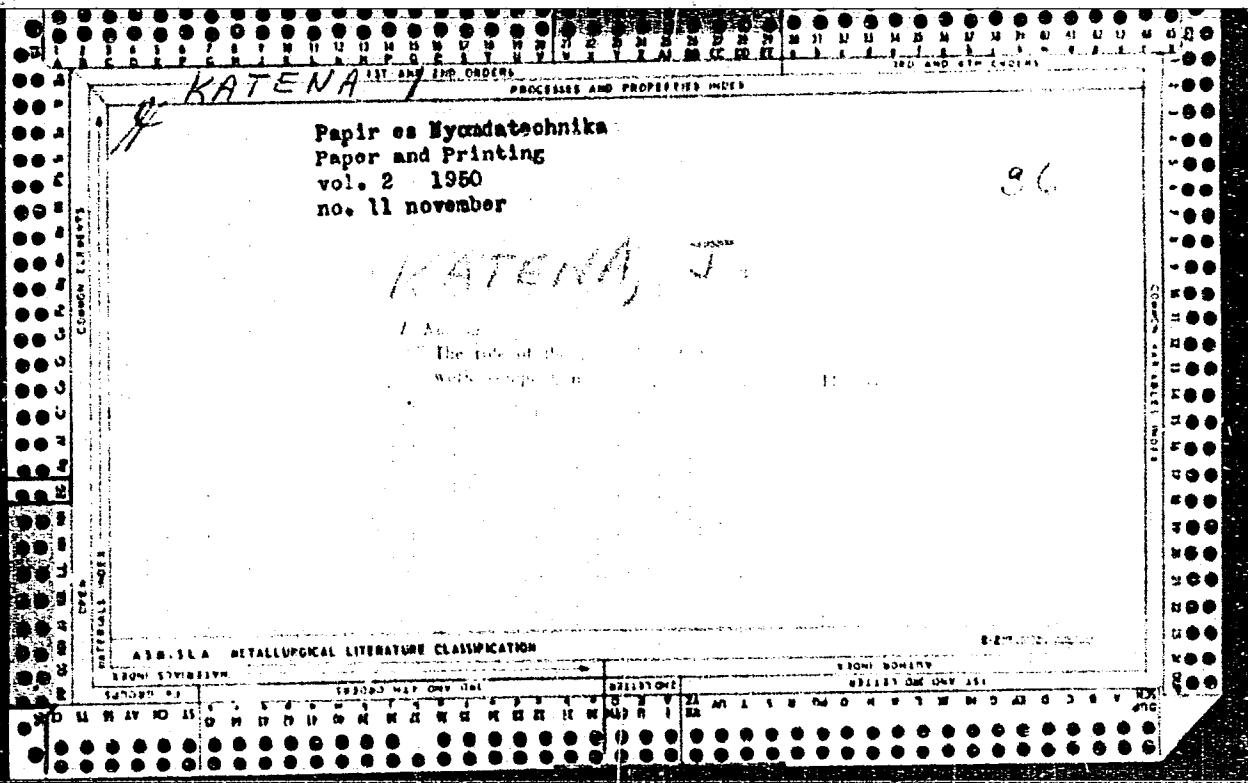
Rural construction in the German Democratic Republic. Sel'. stroi,
12 no. 2:24-25 F '58. (MIRA 11:2)

1. Moskovskiy institut mekhanizatsii i elektrofiksatsii sel'skogo
khozyaystva.
(Germany, East--Farm buildings)

KATEL'VA, G.I., Cand Tech Sci—(disc) "Basic principles of internal planning of agricultural construction ~~with the computation of mechanization and economic indicators.~~" Nos, 1958, 17 pp (Joint Scientific Council ^{of VIM and VIERSH} ~~of VIM and VIERSH~~)

Printed by ~~for duplicating machine~~ (NL, 20-58, 108)

- 86 -



KATTENBERG, A. R.

Braynin, I. Ye., Budinshteyn, R. I. and Kattenberg, A. R.
"The effect of isothermal treatment on the mechanical properties
and the microstructure of 6002 spring steel", Trudy
Stalinskogo obl. otd-nya VNITOM, No 1, 1949, p. 100-04,
- Bibliog: 6 items

SO: U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

TOVPENETS, Ye.S.; PISKUN, V.T.; KATENBERG, A.R.

Effect of the conditions of cooling on the mechanical properties
of rolled bulb-angle strip made of 4S and SKhL-4 steels. Izv.vys.
ucheb.zav.; chern.met. no.4:114-118 '61. (MIRA 14:4)

1. Donetskiy industrial'nyy institut i Stalinskiy metallurgicheskiy
zavod.

(Rolling (Metalwork)) (Steel--Heat treatment)

KATENEV, I.

Computer of an airplane ground speed moving along the radius of a
radar screen. Grazhdav.13 no.4:16 Ap '56. (MLRA 9:7)
(Radar in aeronautics)

KATENEV, Ye.N.; NOVOKHATSKIY, D.F.; OSTAPENKO, A.A.

Results of the investigation and use of belite-siliceous cement in
Stavropol Territory. Burenie no.1:29-32 '64.

(MIRA 18:5)

1. Stavropol'skiy filial Groznenskogo neftyanogo nauchno-issledo-
vatel'skogo instituta.

KATENEV, Ye.P.; NOVOKHATSKIY, D.F.

Slag muds with reduced filtration properties. Burenje no.9:
11-13 '65. (MIRA 18:1G)

KATENIN, A.Ye.

Ectotrophic mycorrhiza of trees in the East European forest tundra.
Bot. zhur. 50 no.3:434-440 Mr '65. "MIRA 18:5)

1. Botanicheskiy institut Komarovov AN SSSR, Leningrad.

NORIN, B.N.; SOLONEVICH, N.G.; BOGH, M.S.; RAKHMANINA, A.T.;
KATENIN, A.Ye.

Tasks and basic trends of research at the Forest Tundra
Station of the V.L. Komarov Botanical Institute of the
Academy of Sciences of the U.S.S.R. Bot. zhur. 48 no.5:
773-777 My '63. (MIRA 17:1)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR,
Leningrad.

KATENIN, A.Ye.

Endotrophic mycorrhiza in species of the lily and crowfoot families
in the Arctic. Bot. zhur. 47 no.9:1273-1282 S '62. (MIRA 16:5)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Vorkuta region--Lilies) (Vorkuta region--Crowfoot)
(Mycorrhiza)

KATENIN, A.Ye.

Mycorrhiza of Arctic plants. Probl. Sov. nauchn. i tekhn. (MIRA 17:11)

1. Botanicheskiy institut imeni Komarov. AM SSSR i Laboratoriya rastitel'nosti Kraynego Severa, Leningrad.